Attorneys for Plaintiffs
For technical questions please call 503-608-7611 or email research@cctruth.org

UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF OREGON
PORTLAND DIVISION

Climate Change Truth Inc.

Plaintiffs,

v.

Kate Brown, in her personal capacity and her official capacity of Governor of the **State of Oregon**; **Oregon Global Warming Commission, Oregon Department of Environment Quality (DEQ)**
Defendants.

3:22-cv-655-HZ

COMPLAINT FOR DECLARATORY JUDGEMENT, INJUNCTIVE RELIEF, AND DAMAGES

Demand for Jury Trial

INTRODUCTION

1. This case presents the following questions: Are Cap and trade policies

the correct answer to climate change? The answer is: no.

2. Are Solar Panels and Windmills the correct solution? The answer is: no.

3. A New information brings The Intergovernmental Panel on Climate Change (IPCC) Reports into question. Are the IPCC reports based on loosely referenced manuscripts with little or no scientific value? The answer is: yes.

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4. Has the term NetZeroCO2e ever been calculated? The answer is: yes.

https://www.omicsonline.org/open-access/the-essential-role-of-photosynthesis-in-defining-net-zero-carbon-dioxide-emissions-for-equilibrium-calculations.pdf

In this research manuscript, the authors seek to answer four essential questions relative to the current climate change conversation now underway globally: (Q1) what is the numerically defined goal for annual Net Zero Carbon Dioxide Emissions in gigatonnes essential for global atmospheric homeostasis? (Q2) Why is atmospheric CO2 rising even though recent data support that CO2 emissions have

the rate of rise lowered by 50% since 2014 globally? (Q3) Are CO2 cap and trade policies the best immediate intervention, or does globally increasing photosynthesis offer a more rapid and better long-term solution to climate change? (Q4) What strategies can be employed to have the greatest positive impact over the upcoming crucial twelve-year period? Nothing absorbs carbon dioxide out of our atmosphere like photosynthesis, and therein lies the most under-discussed solution to the greatest problem of our time. A single hectare of healthy Amazon Rainforest can sequester up to 100 tons of CO2yr-1 due to photosynthesis. And the fast-growing Empress Tree (Paulownia tomentosa) not only grows ten to twenty feet tall in its first year, but a single hectare of these trees can sequester up to 103 tons of CO2yr-1 due to

photosynthesis [1]. Prior to the Industrial Revolution and long before global deforestation devastated Earth's delicate atmospheric ecosystem, forests around the world are estimated to have consumed up to 400 billion tons of CO2yr-1. As of 2019, that has been reduced dramatically as global forests consume less than 10 billion tons of CO2yr-1 with photosynthesis [2]. NetZeroCO2E=8.6 gt/yt (billion tons per year) photosynthesis.

2 https://www.youtube.com/watch?v=JYHX-Ib3Q5Q Solar Panels and Windmills are not the solution.

For Immediate Release

02 February 2022 Portland, Oregon

Announcing the Publication of the First Atmospheric Carbon Dioxide Equilibrium Manuscript to Define NetZeroCO_2e in *The Journal of Earth Science & Climatic Change,* the number one Climate Change Journal rated by impact factor! https://www.omicsonline.org/climatic-change-journals-conferences-list.php

https://www.omicsonline.org/open-access/the-essential-role-of-photosynthesis-in-defining-netzero-carbon-dioxide-emissions-for-equilibrium-calculations.pdf

White D, Ealy H, Martin, K (2022) The Essential Role of Photosynthesis in Defining Net Zero Carbon Dioxide Emissions for Equilibrium Calculations. J Earth Sci Clim Change, 13: 602.

Dave White's team research manuscript has received high marks from peer reviewers and has been published in the top-most climate change journal by impact factor. Dave White's team includes himself, Henry Ealy Ph.D. and Katherine Martin, research assistant.
Dave White, a chemical engineer with a Master's level study in statistics, is a founding member of Climate Change Truth, an organization dedicated to finding the answer to civilization's most pressing problem. His organization has worked to stop the destruction of rainforests in India and Peru, recognizing the urgency of preserving photosynthesis levels.

Dave White's teamwork, *The Essential Role of Photosynthesis in Defining Net Zero Carbon Dioxide Emissions for Equilibrium Calculations* has completed the peer review process, receiving comments such as:

- **The team explains how cap and trade policies would have zero effect on the rise of atmospheric carbon dioxide because the equilibrium point is too low. The strategy with the most positive effect on lowering atmospheric CO2 is by increasing photosynthesis.**
- **There are many positive points which are useful for everyone to understand and learn from. The reviewers found the manuscript very impressive.**
- **Additional comments can be found here.**

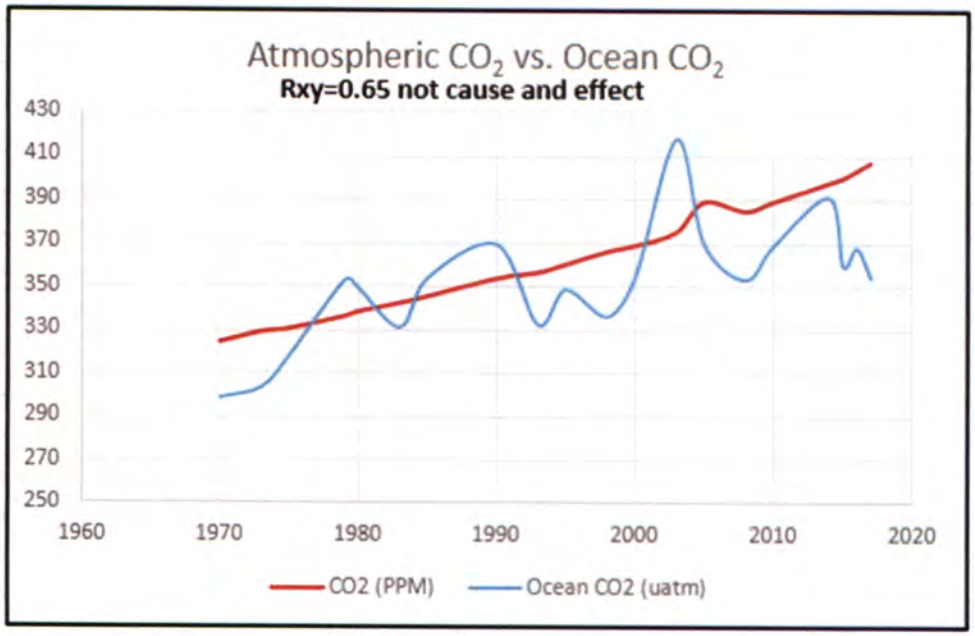
Dave White has painstakingly shown that some of today's most popular strategies for addressing climate change do not and will not work. As his research shows, the key is to enhance photosynthesis by increasing forestation. The need for more trees and shrubs is urgent and planting needs to accelerate immediately.

Key Findings

Dave White's team's groundbreaking research has found that the northern hemisphere forests only consume 2.6 billion tons of carbon dioxide per year through photosynthesis. They also note that all the southern hemisphere forests have become oxygen sinks and carbon dioxide producers due to organic decay. The current forestation level is insufficient for the Earth's needs. Other findings include:

Ocean photosynthesis is decreasing.
The tropospheric carbon dioxide is diffusing to the exosphere, not the ocean. The ocean is not a sink for carbon dioxide.
https://www.pmel.noaa.gov/co2/story/OA+Observations+and+Data?fbclid=IwAR0-xb0B-uGS0GOsX9Yq_2Pem5Airvttxl6fypsjkuNDcElGR7qGPiIHNFM

Ocean SOCAT (vessel carbon dioxide) data is from vessels with carbon dioxide sensors. No relationship between Ocean and atmospheric carbon dioxide.



- Planting native trees and shrubs near roads (where applicable) will consume all the carbon dioxide from vehicles in ten years.

On Netflix please watch 2 movies. Kiss the Ground and Seaspricy

3 **17th Climate Change Conference**. Keynote address. The Essential Role of Photosynthesis in Defining Net Zero Carbon Dioxide Emissions for Equilibrium Calculations

Well documented, well received science about climate change.
https://cctruth.org/Plenary_VSET_04_23_22.pdf
Video here: https://cctruth.org/Plenary_VSET_04_23_22.mp4

67 more conferences have invited me to present the most expedient way to lower atmospheric carbon dioxide to 330 ppm by 2031! Cctruth.org **Over 54 million visitors in the last 15 months.**
Call to action on the home page!

There is nothing green in the green new deal unless you like rolling blackouts! Solar panels don't work at night or with snow on them. Windmills are not the solution
https://www.youtube.com/watch?v=JYHX-Ib3Q5Q
On Netflix please watch Kiss the ground movie, Atmospheric carbon dioxide never lowers working on emissions of carbon dioxide.

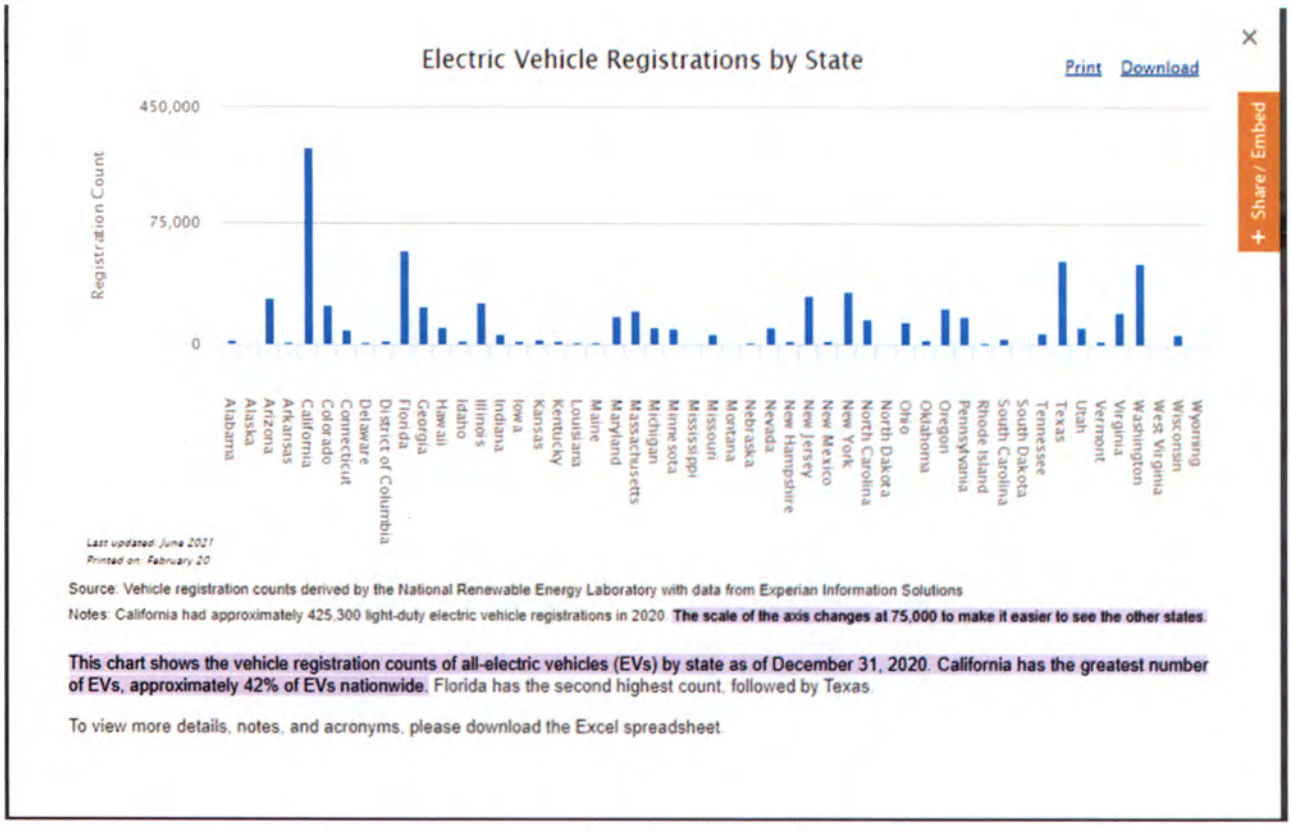
Slide 2 through 27. Atmospheric carbon dioxide is not an emissions issue. It's a 97% loss of photosynthesis.
Slide 6. Emissions of carbon dioxide are not cause and effect. The graph used to say cause and effect has not been updated since 2012!
Slide 9 and 10. Average atmospheric carbon dioxide residence time is 150 years! No effect from any recession or emissions work for 150 years!
Slide 11. Atmospheric carbon dioxide never lowers working on emissions.
Slide 12. 90% of people on earth live in the northern hemisphere. 90% of our emissions would look completely different than the world wide data looks.
Slide 16. Atmospheric carbon dioxide is a drain (photosynthesis) issue.
Slide 21. The total carbon dioxide emissions worldwide is not 34 it is closer to 50 billion tons. There is no way to get from 50 to 8.6!

We must increase photosynthesis!

Slide 24. loss of worldwide oxygen cycles, just like the carbon dioxide increase. They are tied together.
Slide 27. Increasing photosynthesis lowers atmospheric carbon dioxide to 330 ppm by 2031. Over 2000 PhD's agree with this.
Slide 29 through 33. Results of increasing photosynthesis.
Slide 34 Mauna Loa CO2 peaked in February this year for the first time!
Slide 35. State of Oregon sanctioned experiment which proves we can plant native trees and shrubs next to roads, and in 10 years they will consume all the carbon dioxide from the vehicles. This applies to +/-50 degrees latitude.
Slide 37. Atmospheric carbon dioxide doesn't freeze in the atmosphere!
Slide 38 to Slide 40. The Ocean is not a sink for atmospheric carbon dioxide!
Slides 41 Through 45. Our 23 PhD review of The Intergovernmental Panel on Climate Change (IPCC) Reports caused the Mitigation group (Jim Skea's) to put the statement used to say we need to lower emissions of carbon dioxide into the 5th paragraph of their executive summary (ES). This statement had zero references and was buried on page 90. Likewise on page 100 their probability for their solution to work is 66%!
We are now writing a college textbook accepted by one of the most prestigious college book publishers. The title is "Climate Crisis Changed. The Intergovernmental Panel on Climate Change (IPCC) Reports are science fiction!"
Slides 46 to 54. Sea level rise is 1.4 mm/yr. linear and not accelerating.
Slides 55-60 NiCE fix, SE USA storms not from Climate Change

California lawmakers are turning cap-and-trade into the slush fund critics long feared. https://www.latimes.com/opinion/editorials/la-ed-cap-and-trade-safe-drinking-waterbudget-20190614-story.html

4 California has the most EV's of any state.



5 California's power grid has already had rolling blackouts. This article says "California has pushed hard to switch to solar and wind power while closing older gas-burning plants, but that's left it vulnerable in evenings when solar production fades. California Independent System Operator Chief Executive Officer Elliot Mainzer said Friday that consumer conservation to avoid outages may be needed for years." https://www.bloomberg.com/news/articles/2021-07-10/california-orders-stage-2grid-emergency-power-shortfalls-loom

7

Plaintiffs Climate Change Truth and David White have 15 presentations on cctruth.org `which show atmospheric carbon dioxide is not an emissions issue. It is a loss of photosynthesis issue. Also Global sea rise is 1.4 mm/year linear and not accelerating.

5. David White along with 23 PhD's participate in government and expert review of the IPCC reports and find many mistakes. We have caused the mitigation group to make paragraph 5 of their report for AR6 to contain the statement Jim Skea used to say we need to lower emissions of carbon dioxide which had zero citations (references). This was buried on page 90 of their report. On page 100 we found a probability table which shows their probability for a solution by lowering emissions of carbon dioxide to work was 66%. This in in Exhibit 1.

6. The Court should issue an order the State's cap and trade policy is the wrong solution, an order prohibiting the State of Oregon from enforcing its policy, and a judgment for damages.

PARTIES

7. Plaintiffs are scientists who follow the data and no other agenda.

BASIS FOR THE COMPLAINT AND INJUNCTIVE RELIEF

A. **New information brings The Intergovernmental Panel on Climate Change (IPCC) Reports into question. Exhibits 1 and 2 show this.**

B. **David White will be giving a plenary address of the carbon dioxide equilibrium at a climate change conference in March 2022. We only have 8.6 billion tons of photosynthesis remaining per year in our world.**

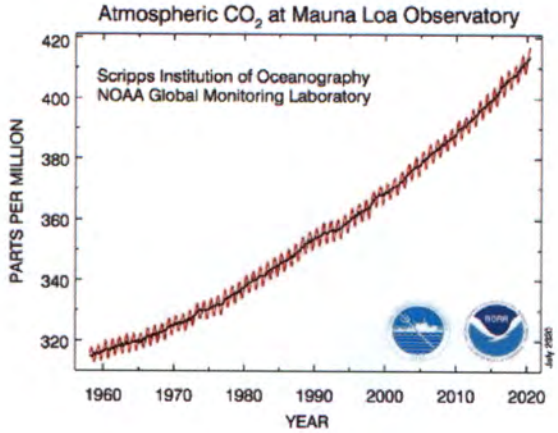
C. **The average residence time for atmospheric carbon dioxide is 150 years. These are more than 160 PhD's in 19 published manuscripts summarized in one manuscript.**

- Unrealized Global Temperature Increase: Implications of Current Uncertainties, Schwartz, S. E. J. Geophys. Res. , 2018, doi: 10.1002/2017JD028121.

D. Residence Time (Years)	E. Author	F. Year
G. >700	H. Allen	I. 2009
J. 610	K. Zickfeld	L. 2013
M. 500	N. Matthews	O. 2008
P. 300	Q. Plattner	R. 2008
S. 270	T. Cao	U. 2010
V. 230	W. Zickfeld	X. 2012
Y. 220	Z. Solomon	AA. 2012
BB. 220	CC. Knutti	DD. 2012
EE. 210	FF. Gillett	GG. 2011
HH. 180	II. Frolicher	JJ. 2010
KK. 150	LL. Hare	MM. 2006

Another way to look at residence time is a signature from past events, which lowered carbon dioxide emissions.
Oil embargo in the 1970's
Multiple recessions
Worldwide recession in 2009.
COVID-19 pandemic.
You can clearly see no signature from these events

8.



I. **Causes of Action.**

FIRST CLAIM FOR RELIEF

Stop Cap and Trade policies which won't do any good. Pay Plaintiffs $1.3 billion. The average residence time of atmospheric carbon dioxide is 150 years. No effect from any recession or COVID.

SECOND CLAIM FOR RELIEF

Stop clear cutting forests. These practices are not sustainable! Change to strip logging around every 20,000 acres of Oregon forest. This is sustainable logging. Most of the trees on the side of the stripped area will re-seed the stripped area with native species for that microclimate.

9. Plaintiffs re-allege and incorporate by reference the foregoing allegations as if fully set forth herein.

THIRD CLAIM FOR RELIEF

Remove ethanol from fuel. Ethanol in fuel causes much less shelf life and 10% less fuel economy.
http://www.fuel-testers.com/expiration_of_ethanol_gas.html
https://www.bellperformance.com/blog/the-disadvantages-of-adding-ethanol-to-your-fuel

FOURTH CLAIM FOR RELIEF

INJUNCTION

Stop NOAA Mauna Loa from making manual increases in daily worldwide carbon dioxide data. https://cctruth.org/NOAA_Mauna.pdf

Plaintiffs reallege and incorporate by reference the foregoing allegations as if fully set forth herein.

DEMAND FOR JURY TRIAL

Pursuant to Federal Rule of Civil Procedure 38(b), Plaintiff respectfully demands a jury trial of all issues triable to a jury in this action.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff prays for judgment against Defendants as follows:

A. A declaration that the State of Oregon's cap and trade policy is the wrong solution;

B. A preliminary injunction and permanent injunction;

C. Damages;

D. Attorney fees pursuant to 42 U.S.C. §

E. Such other and further relief as the court deems just;

Respectfully Dated: Daccett President cctruth.org

Exhibit I.

Copied from https://www.ipcc.ch/sr15/chapter/chapter-2/

Executive Summary
This statement with no references!
The probability of reducing emissions by 45% to reduce atmospheric carbon dioxide is 66% Planting a tree is 100% probability.

Limiting warming to 1.5°C depends on greenhouse gas (GHG) emissions over the next decades, where lower GHG emissions in 2030 lead to a higher chance of keeping peak warming to
1.5°C (*high confidence*). Available pathways that aim for no or limited (less than 0.1°C) overshoot of 1.5°C keep GHG emissions in 2030 to 25–30 $GtCO_2e\ yr^{-1}$ in 2030 (interquartile range). This contrasts with median estimates for current unconditional NDCs of 52–58 $GtCO_2e\ yr^{-1}$ in 2030. Pathways that aim for limiting warming to 1.5°C by 2100 after a temporary temperature overshoot rely on large-scale deployment of carbon dioxide removal (CDR) measures, which are uncertain and entail clear risks. In model pathways with no or limited overshoot of 1.5°C, global net anthropogenic CO_2 emissions decline by about 45% from 2010 levels by 2030 (40–60% interquartile range), reaching net zero around 2050 (2045–2055 interquartile range). 1
For limiting global warming to below 2°C with at least 66% probability CO_2 emissions are projected to decline by about 25% by 2030 in most pathways (10–30% interquartile range) and reach net zero around 2070 (2065–2080 interquartile range). {2.2, 2.3.3, 2.3.5, 2.5.3, Cross-Chapter Boxes 6 in Chapter
3 and 9 in Chapter 4, 4.3.7}

Exhibit II.

IPCC

The Intergovernmental Panel on Climate Change Ignores Key Data, Simulation Results are invalid.

SUMMARY

The Intergovernmental Panel on Climate Change reports are inaccurate and are falsely skewing Data. Publishing garbage manuscripts in a journal whose chief editor that has a degree in Political Science. There reports are deliberate scientific fiction. https://cctruth.org/ipcc.pdf

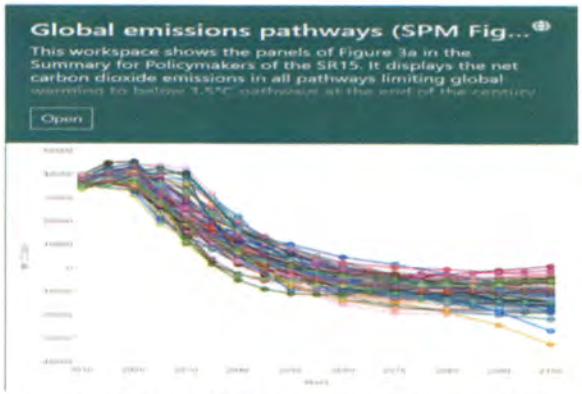
IPCC Reports

The IPCC cherry-picks the relatively few reports which follow and support their own agenda, rejecting the greater number of reports that do not support that agenda. They have ignored the oppositional findings of more than one thousand reports about the Amazon Rainforest. Any scientist who cherry-picks data would be shamed out of a job. More than 60% of the references in their reports were to the previously farce Journal Nature Climate Change who had as Chief Editor Adam Yeeley. His Ph.D is in Political Science. He let scientists publish garbage manuscripts so they could circular reference them in the IPCC reports. This is not science! He is just there to keep correct science out and publish crap science. However, after sending email, to their board he is no longer there. Still that journals manuscripts reference the IPCC reports. The IPCC reports then reference the manuscripts in that journal. Circular referencing is not science! June 2020 I notified the board of this and they fired him the next day. Bronwyn Wake is the board member who took Adam's place.

We performed an expert review of IPCC (Intergovernmental Panel on Climate Change) SR 1.5 Chapter Two "Mitigation" .https://cctruth.org/expert_review_SR1.5_mitigation.pd f . These are the key findings: Their equilibrium statements had no references to any published manuscripts. One of the chapter scientists replied and said they are not equilibrium states and they are from simulations. I showed their simulations to a friend who has 27 years' experience and he started uncontrollable laughter. Further down in their document was the only probability they did is 50-66% for their solution by lowering emissions will work. I sent this to around 1000 scientists, the worldwide media, the UN and IPCC scientists. The media ignored it, however, IPCC working Group 1 and 3 saw my expert review ability and invited me to review their reports for AR6 next year. https://cctruth.org/ comments_ar6wg3_fod.xlsx is already accepted for WG 3. https://cctruth.org/comments_ar6wg1_sod.xlsx was uploaded 4/30/2020. He is just there to keep correct science out and publish crap science. However, after sending email to their board he is no longer there. Still that journals manuscripts reference the IPCC reports. The IPCC reports then reference the manuscripts in that journal. Circular referencing is not science!

2019 IPCC SR 1.5 Chapter 2 "**Limiting warming to 1.5°C depends on greenhouse gas (GHG) emissions over the next decades, where lower GHG emissions in 2030 lead to a higher chance of keeping peak warming to 1.5°C (*high confidence*). Available pathways that aim for no or limited (less than 0.1°C) overshoot of 1.5°C keep GHG emissions in 2030 to 25–30 $GtCO_2e\ yr^{-1}$ in 2030 (interquartile range). This contrasts with median estimates for current unconditional NDCs of 52–58 $GtCO_2e\ yr^{-1}$ in 2030**

(https://www.ipcc.ch/sr15/chapter/chapter-2/, Page ES, 5th paragraph). Now their Executive Summary (https://cctruth.org/es.pdf) shows this statement with no references and their probability of 66%. I sent four emails asking them where these numbers came from. A research scholar at The International Institute for Applied Systems Analysis (IIASA) Schlossplatz 1, A-2361 Laxenburg, Austria replied: "Dear Dave, Thank you very much for your question on the assessment of quantitative pathways in the SR15. The statement is taken from Table 2.4, bottom section, third row, first column, rounded to multiples of 5. The assessment in this table is based on the ensemble of quantitative pathways compiled by the IAMC and IIASA for the IPCC SR15 process (https://doi.org/10.22022/SR15/08-2018.15429). The Python script for preparing this table is available under an open-source license at https://data.ene.iiasa.ac.at/sr15_scenario_analysis/assessment/sr15_2.3.3_global_emissions_statistics.html (see https://doi.org/10.22022/SR15/08-2018.15428 for the scientific reference of the assessment notebooks).
Neither the statement nor the table does make any assertion about an equilibrium; it is merely an assessment of the pathways at a specific point in time [bold added**].** I do hope that this clarifies your request. The International Institute for
Applied Systems Analysis (IIASA) Schlossplatz 1, A-2361 Laxenburg, Austria."



I looked at their simulations and they are garbage because they don't have boundary conditions. Their simulation shows NetZero at zero to in 2050. However the IPCC and UN have started this false 12 year doomsday garbage. This is why nothing they have predicted has or will come true. Dr. Kevin Dayaratna testified at the Oregon Carbon group with the correct use of their simulations.
https://ctruth.org/DAYARATNA.mp4
Earlier I sent this review to 5000 scientists and all the worldwide media by email with delivery and read receipts.
They read it. One NOAA scientist replied and said I should go after the publishers of the IPCC crappy manuscripts. I thanked him and said I would if I had a large staff of scientists. I showed their simulations to an expert in simulations and he started uncontrollable laughter. Around December 15th 2019 I sent it to all other than Chapter two IPCC scientists. Our review was sent to the other 200 IPCC scientists who essentially agreed with the review we provided.

Rare Use of Probability

"For limiting global warming to below 2°C **with at least 66% probability** [bold added] CO_2 emissions are projected to decline by about 25% by 2030 in most pathways (10–30% interquartile range) and reach net zero around 2070 (2065–2080 interquartile range).1 {2.2, 2.3.3, 2.3.5, 2.5.3, Cross-Chapter Boxes 6 in Chapter 3 and 9 in Chapter 4, 4.3.7} (p 21.3, Table 2.1).

"No pathways were available that achieve a greater than **50-66% probability of limiting warming below 1.5° C** [bold added] during the entire 21st century based on the MAGICC model projections" For limiting global warming to below 2°C with at least 66% probability CO_2 emissions are projected to decline by about 25% by 2030 in most pathways (10–30% interquartile range) and reach net zero around 2070 (see p. ES, Paragraph 5). The probability is actually zero because the minimum residence time is hundreds of

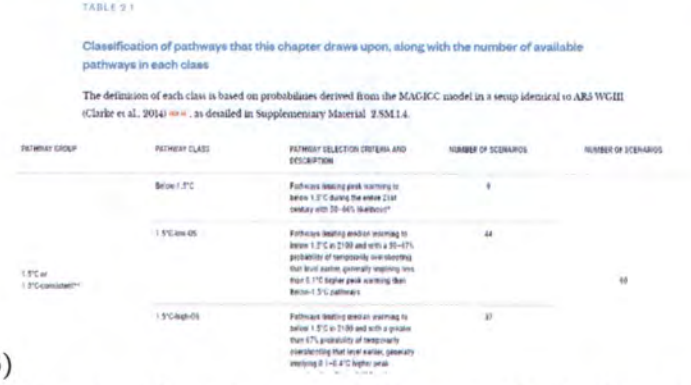


TABLE 2.1

Classification of pathways that this chapter draws upon, along with the number of available pathways in each class

The definition of each class is based on probabilities derived from the MAGICC model in a setup identical to AR5 WGIII (Clarke et al., 2014) , as detailed in Supplementary Material 2.SM.1.4.

PATHWAY GROUP	PATHWAY CLASS	PATHWAY SELECTION CRITERIA AND DESCRIPTION	NUMBER OF SCENARIOS	NUMBER OF SCENARIOS
	Below 1.5°C		9	
	1.5°C-low-OS		44	
1.5°C or 1.5°C-consistent[a]				90
	1.5°C-high-OS		37	

years. (Probability Table 2.1 page 21.3)

(No business would spend such a significant amount of money (2.8 trillion dollars already spent worldwide) on a project with only a 50-66% chance of success.) Their

probability is actually zero because the average residence time for atmospheric CO_2 is 150 years. (IPCC 2003)

Citation

"This chapter should be cited as: Rogelj, J., D. Shindell,
K. Jiang, S. Fifita, P. Forster, V. Ginzburg, C. Handa, H. Kheshgi, S. Kobayashi, E. Kriegler, L. Mundaca, R.
Séférian, and M.V.Vilariño, 2018: Mitigation Pathways Compatible with 1.5°C in the Context of Sustainable
Development. In: Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty [Masson-Delmotte, V., P. Zhai, H.-O. Pörtner, D. Roberts, J. Skea, P.R. Shukla, A. Pirani, W.
Moufouma-Okia, C. Péan, R. Pidcock, S. Connors, J.B.R. Matthews, Y. Chen, X. Zhou, M.I. Gomis, E. Lonnoy, T. Maycock, M. Tignor, and T. Waterfield (eds.)]. In Press" (p. 93)

Use of Unscientific Terms

The document uses the unscientific terms *highly* (or otherwise) *likely* six times, *unlikely* three times, and *highly* (or otherwise) *confident* sixty-two times. In every case, percent probability must be used.
Planting Native trees is the only way to lower Atmospheric carbon dioxide to 330 ppm by 2031.

The IPCC follows a false agenda and a false GWP (Global Warming Potential) Calculation, neither of which is based on reality. Their GWP calculation assumes equal greenhouse gas concentrations of methane, nitrous oxide and carbon dioxide and other gases, which will never happen in reality. If we did have equal concentrations of N_2O (laughing gas) for instance, the people in the world would have silly smiles on their faces and high-pitched voices. IPCC Working group I, second order draft (SOD) Annex II found 14 published manuscripts which show the same data as Dr. Blasings. These were published prior to the GWP and the IPCC ignored them. Any model which is not verified by data is a false model. The correct order of greenhouse gases CO2 then CH4 then N2O then NO (highest effect to lowest effect)Dr. TJ Blasing exposed the greenhouse gases with longwave radiation and was thus able to calculate the actual effect.
http://cctruth.org/index.php/ghg/ Methane is 0.5 watts/m². CO_2 is 1.94 watts/m². The media should not believe the IPCC or the UN when it comes to climate change. Dr. Hal Dorian passed away 4/28/20. His memorial. He is one of the NASA scientists who helped write our proposal. We dedicate our proposal to him.

Gas	Pre-1750 tropospheric concentration[1]	Recent tropospheric concentration[2,3]	GWP[4] (100-yr time horizon)	Atmospheric lifetime[5] (years)	Increased radiative forcing[6] (W/m²)
Concentrations in parts per million (ppm)					
Carbon dioxide (CO_2)	~280[7]	399.5[2,8]	1	~ 100-300[5]	1.94
Concentrations in parts per billion (ppb)					
Methane (CH_4)	722[9]	1834[2]	28	12.4[5]	0.50
Nitrous oxide (N_2O)	270[10]	328[3]	265	121[5]	0.20
Tropospheric ozone (O_3)	237[1]	337[2]	n.a.[3]	hours-days	0.40

Planting trees is 100% probability to lower atmospheric carbon dioxide.

Residence Time of Atmospheric CO_2

Residence time is how long a molecule will stay in a location before being released. Like standing water in your kitchen, sink. The water is residing longer. A 2003 IPCC report shows residence time increased from 5 to 200 years. Dr. TJ Blasing shows 100-300 years. In 2016, I emailed Dr. Jim Hansen and two other prominent climate-change scientists that emissions had been flat since 2014, but that atmospheric CO_2 was still increasing and the rate of rise was still increasing. I asked them how this could be happening--if

emissions were the cause of atmospheric CO_2 increase. **They said we must wait another 470 years for anything we do with emissions to show an effect.** Anything we do with CO_2 emissions has not and will not have any effect on atmospheric CO_2 for hundreds of years. However, the residence time for atmospheric carbon dioxide is 150 years. This is why everything we have done to lower emissions of CO_2 has had zero effect on the atmospheric CO_2 rise. https://cctruth.org/residence_time.pdf Below are the constraints I used. Even at average residence time of 100 years Mauna Loa never stays low.

Facts

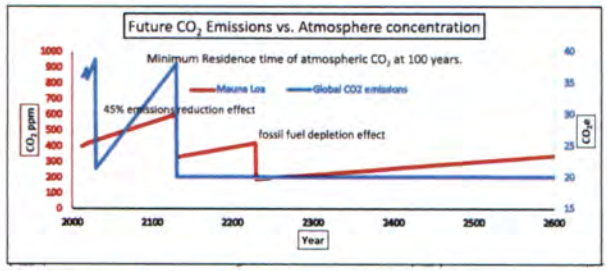
Residence time was 5 years, Now more than 150 years. Recently I sent out a survey email to 400 climate change scientists about atmospheric CO2 residence time. Most scientists said 200-400 years. One scientist sent me his research of published papers, which show residence time from 150 years to 700 years.

Residence Time (Years)	Author	Year
700	Allen	2009
610	Zickfeld	2013
500	Matthews	2008
300	Plattner	2008
270	Cao	2010
230	Zickfeld	2012
220	Solomon	2012
220	Knutti	2012
210	Gillett	2011
180	Frolicher	2010
150	Hare	2006

https://agupubs.onlinelibrary.wiley.com/doi/abs/10.10 02/2017JD028121

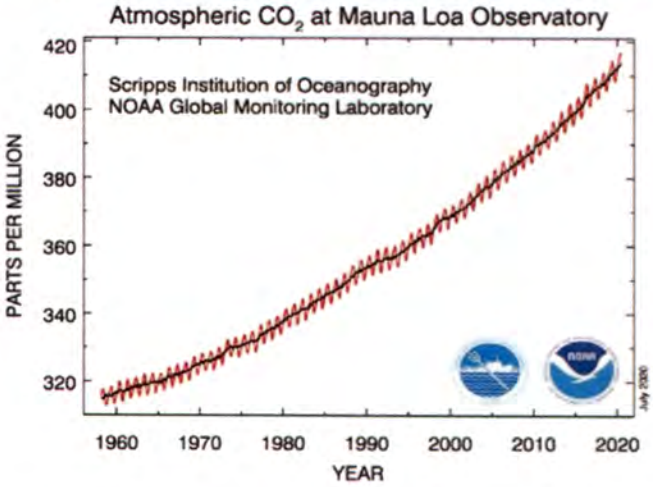
Assumptions
Keep current carbon emissions rise at 0.3 gt/yr (current)
Reduction in 45% of fossil fuel emissions by 2030 Decreases of carbon emissions will be offset by increases in population Atmospheric CO_2 stays the same slope. (Not increasing). However, rate of rise is increasing. Current rate is almost 3 ppm increase per year. At 100 years no more oil so CO_2 emissions drop by 55% Atmospheric CO_2 lowers to a minimum at year 2650 and then increases. We never reach equilibrium.

Even at a residence time of 100 years, atmospheric CO_2 never lowers.
Constraints for this graph. 45% reduction in fossil fuel CO_2 emissions by 2030
55% reduction in fossil fuel CO_2 emissions by 2130 due to depletion of those fuels.
2030 45% reduction in the rate of rise of Atmospheric CO_2.
2130 45% reduction in CO_2 concentration 2230 55% reduction in CO_2 concentration and rate.



This is because we have massive loss of photosynthesis consumption. Globalforestwatch.org/map

Another way to look at residence time is a signature from past events, which lowered CO_2 emissions. For example the oil embargo in the 1970's, multiple recessions and the big worldwide recession in 2009. The current COVID-19 pandemic. These are examples of lowered worldwide emissions. Below is the current graph of Mauna Loa CO_2. You can clearly see no signature from these events.



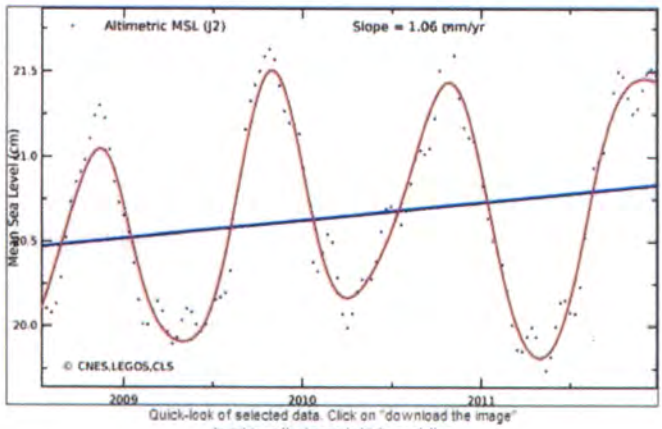
On Netflix, please watch "kiss the ground" movie. It clearly explains why we cannot lower atmospheric CO_2 by working on emissions of CO_2.

Sea Level Rise (or lack thereof)

https://www.ipcc.ch/report/sixth-assessment-report-working-group-i/ Twenty Ph. D's and I uploaded comments on Working Group 1 second order draft for AR6.
https://cctruth.org/comments_ar6wg1_sod.xlsx was uploaded 4/30/2020.
Sea Level Change data is unreliable. The satellite NOAA uses, (the Jason-3) has a minimum resolution of 25 mm. They say they are measuring a 3mm rise per year by measuring a location every 10 days. When we measure anything below minimum resolution, the data reliability drops exponentially below 50% of the minimum resolution. I put them in the document review for WG I AR6 for next year. I know the tide gauges tell the truth and show almost no sea level change. DOI : doi.org/10.33140/JMSRO.02.01.06
Review Article The Views of Three Sea Level Specialists, Mörner NA,
Wysmuller T and Parker
Ahttps://www.opastonline.com/jmsro-volume-2-issue1-year-2019/www.opastonline.com J Mari Scie Res Ocean, 2019 Volume 2 | Issue 1 See this document:

A movie called **Climate Hustle II** will come out October 2020 and show this.

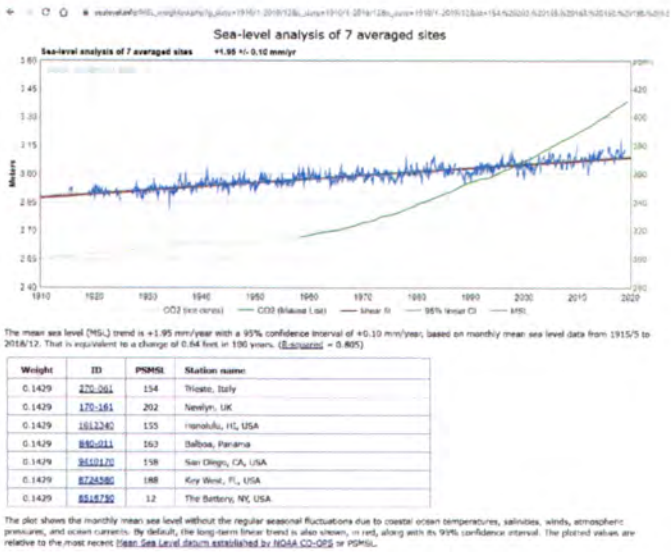
In addition, the European satellite has a 1 mm minimum resolution and it shows the same sea level rise as the tide gauges at 1.06 mm/yr



Quick-look of selected data. Click on "download the image" to retrieve the image in high resolution or on "download the data" to get the data.

The Jakobshavn Glacier in Greenland has grown for the third year in a row. This is the large one Al Gore and others have falsely said would melt and cause the oceans to rise 15 feet. https://earthobservatory.nasa.gov/images/145185/maj or-greenland-glacier-is-growing Tide gauge data:

https://sealevel.info/MSL_weighted.php?g_date=1910/ 1-2019/12&c_date=1910/12019/12&s_date=1910/12019/12&id=154,%20202,%2015 5,%20163,%20158,%20 188,%2012



The mean sea level (MSL) trend is +1.95 mm/year with a 95% confidence interval of +0.10 mm/year; based on monthly mean sea level data from 1915/5 to 2018/12. That is equivalent to a change of 0.64 feet in 100 years. (R-squared = 0.805)

Weight	ID	PSMSL	Station name
0.1429	270-061	154	Trieste, Italy
0.1429	170-161	202	Newlyn, UK
0.1429	1612340	155	Honolulu, HI, USA
0.1429	890-011	163	Balboa, Panama
0.1429	9410170	158	San Diego, CA, USA
0.1429	8724580	188	Key West, FL, USA
0.1429	8518750	12	The Battery, NY, USA

The plot shows the monthly mean sea level without the regular seasonal fluctuations due to coastal ocean temperatures, salinities, winds, atmospheric pressures, and ocean currents. By default, the long-term linear trend is also shown, in red, along with its 95% confidence interval. The plotted values are relative to the most recent Mean Sea Level datum established by NOAA CO-OPS or PSMSL.

Ocean Acidity

Ocean acidity (or lack thereof. Tony Heller shows how the ocean acidity is the same as it's always been in this video. Ocean stupidifcation

Net Zero

The document uses a term *Net Zero* with no definition.

We wrote the world's first atmospheric CO_2 equilibrium manuscript waiting for peer review until we get money to

publish it. Equilibrium Paper NetzeroCO2e=8.6gt/yr.

Truth about Al Gore

Web search "Club of Rome". This will tell you everything you need to know about the ignorance of Al Gore.

The assertion that 97% of scientists agree with the IPCC is wrong! This high consensus was touted because the three hundred manuscripts published between 2009 and 2013 were chosen for review on the basis of their seeming conformity to a certain point of view. Rejected for the review and survey of scientists were the more than seven hundred manuscripts written by scientists who had different statistics and conclusions from the ones that were wanted. Therefore, the agreeing part is 33%. We are 67%ers.

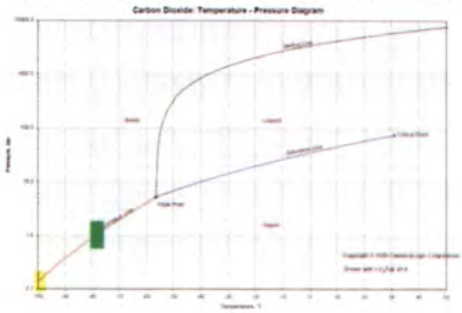
Discovery: Reduction in

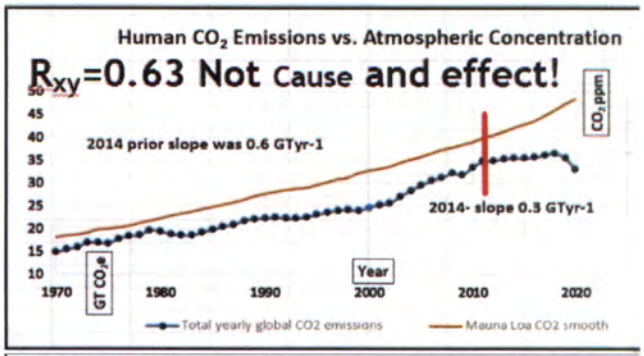
Photosynthesis Correlation to Atmospheric CO_2 Increase. 65 more conferences have invited me to present this. I have not accepted any invites because we have no funding.

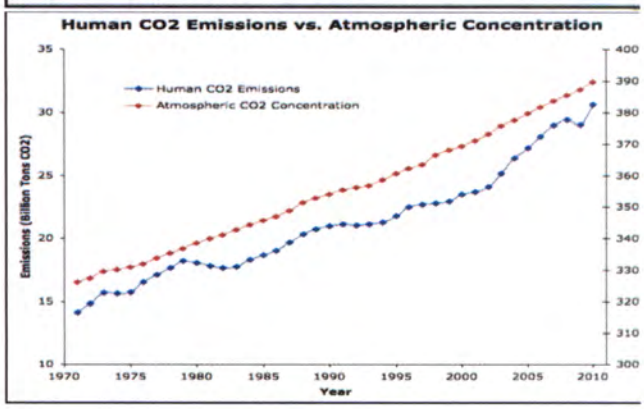
I sent these statistics to all 220 IPCC scientists by email.

Not one of them objected to the statistics. Atmospheric CO_2 is a binary system statistically. The two causes are CO_2 emissions and loss of photosynthesis. Each cause is multi-variate. We have had mostly flat human emissions (0.2 GT/yr vs. 0.6 GT/yr) since 2014. However, atmospheric CO_2 is still going up, and the rate of rise is increasing. In 2018, the Rxy correlation coefficient was 0.73 and not statistically significant (not cause and effect). In 2019 it is now 0.63 and dropping. The data is here:

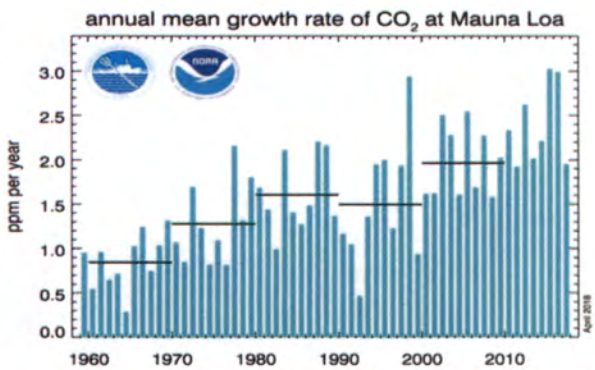
Carbon Dioxide Does Not Freeze in the Atmosphere In the mesosphere, the pressure is 1 millibar. At this pressure, CO_2 freezes at -100°C. The temperature in the mesosphere is -90°C.

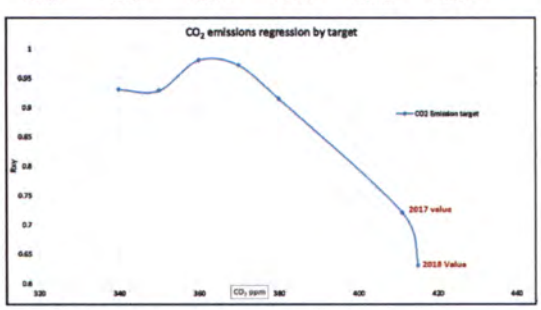




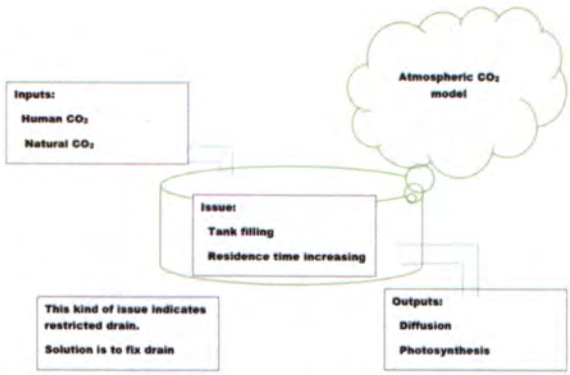


This 2010 graph is the only one you will see online. They do not want you to know how emissions of CO_2 have slowed down worldwide.





Carbon dioxide emissions correlate to 363 ppm and is a contributor, not the cause of the rise.



This tank model is like your kitchen sink. Standing water in the sink is increasing residence time. By this model, we need to shut the input and fix the drain. We cannot shut the input because the "natural" emissions are 20 billion tons/yr. We must increase photosynthesis.

The oscillation at Mauna Loa starts as a very strong signal in South America and then fans out larger and larger until Barrow's Alaska. The countries in South America burn the Amazon Rainforest, the densest forest in the world, from October/ November through May of the next year. Since 1950, an average of 30 million acres per year have been deforested and burned. So much CO_2 has been released that the trees and plants have grown too fast and died. This massive decay is what caused the Amazon Rainforest to switch to an oxygen sink and carbon dioxide producer. Hundreds of papers have been published on this.
Currently, the Amazon output is 15 $GTyr^{-1}$ of CO_2.

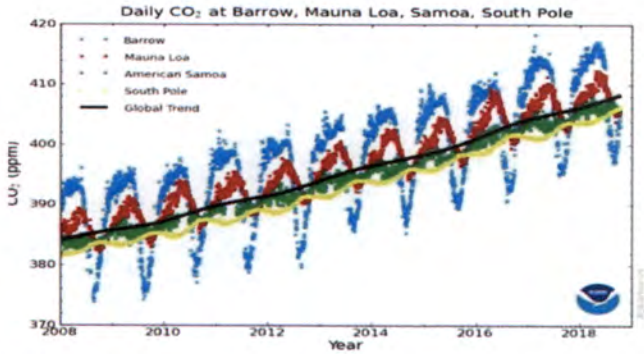
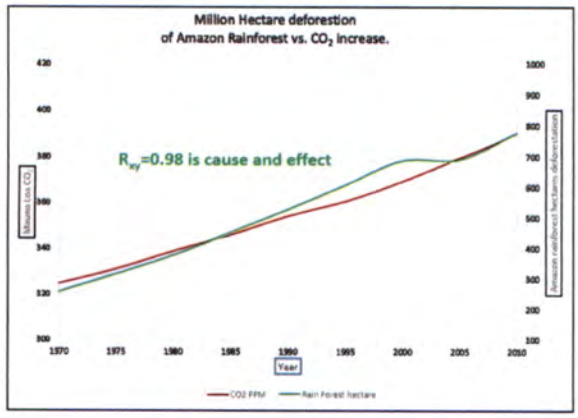
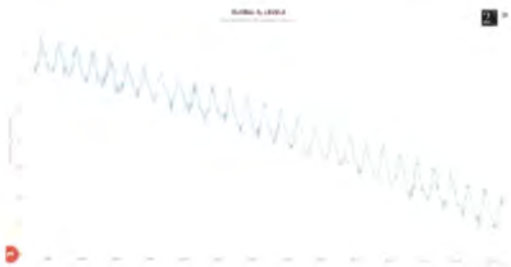


Figure 6. Mauna Loa cycles

globalforestwatch.org 390->8.6 $gtyr_{-1}$

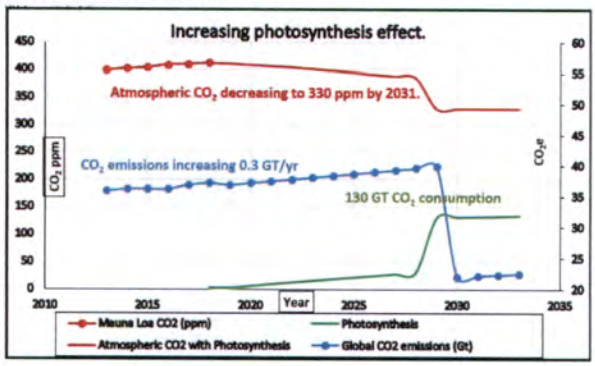


The Amazon Rainforest deforestation is a 0.98 cause and effect to the rise of carbon dioxide since 1957.

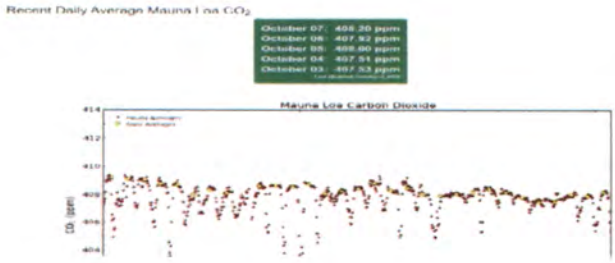


Amazon Rainforest R_{xy} =-0.99

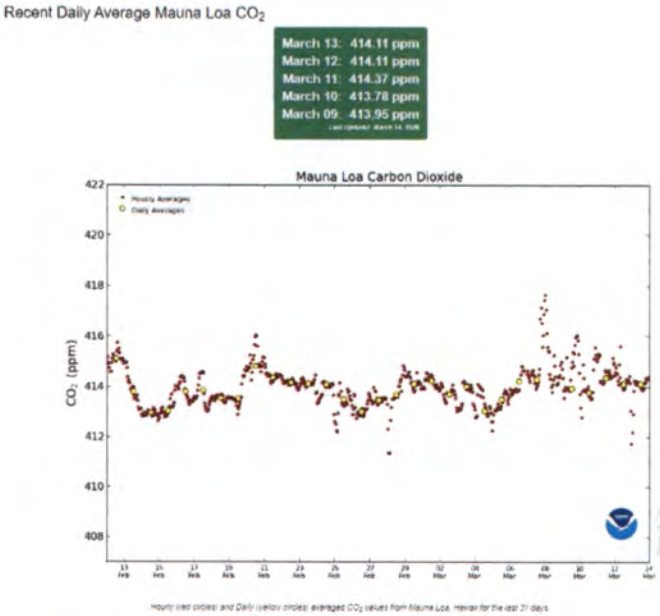
The correct solution is to stop non-sustainable deforestation of those forests like the Indian and Amazon Rainforests and plant 200 billion native trees and shrubs.



India stopped deforestation and is planting trees!
China is planting billions of trees!
Pakistan planted 1 billion trees in 2018, 2 billion more in 2019, and they will plant 8 billion more in the next four years! Peru stopped deforestation in 2020! Already planting 3 billion trees and the global garden greening atmospheric CO_2 minimum on October 4th was 407.51 ppm. Dr Pieter Tans said it should be 408.6+/- 0.5. For November the rise was -0.45 ppm. (11/1= 411.02, 4/20=410.57), November of 2017 it was 2.7 ppm rise. November 2018 1.85 ppm rise. 8 billion more trees scheduled in the next 4 years. We can easily plant 100 billion trees in the USA and in 10 years will consume an extra 10 billion tons annually.



Effect of 14+ billion trees planted in the last 36 months.



This drone can plant 40,000 trees per day.

I put in a complaint to Department of Commence Inspector general about Mauna Loa CO_2 fraud. They started investigating 4/24/20. Please download the rain-forest stop document and follow it weekly. Over 1000 people have been doing this since last June. This summer 2021 I will be presenting this a two climate conferences. To lower atmospheric Carbon dioxide quickly.

1. **Put pressure on Brazil and other Amazon rain-forest countries to stop deforestation ASAP. Also stop the biomass burning that puts 300 million tons of carbon dioxide into the atmosphere each year. This has caused 50ppm of the recent rise in atmospheric carbon**

dioxide concentration. Then after 10 years finish burning what is needed at 10% per year for 10 years.

2. Provide space where public can come and plant trees and shrubs. All government-owned lands. Very small cost. Need website with document for each planting area.
3. Plant shrubs in all freeway medians and sides. This is revenue plus in a two-year cycle. Plant native shrubs at a minimal spacing so all light is used in photosynthesis. This will take in 1 ton of CO_2 emissions per acre per year right at the source. The space would not need to be mowed every week in the summer.
4. Get schools involved and planting massive number of trees and shrubs. In their property and the government property as in 1 above.
5. Parks can add trees and shrubs.
6. Close any climate change research group. Not needed, unless doing photosynthesis work.
7. Tax incentive for business to plant trees and shrubs.
8. Wild fire attention. Get a retainer for the 747 plane and use it from the start on any wild fire.

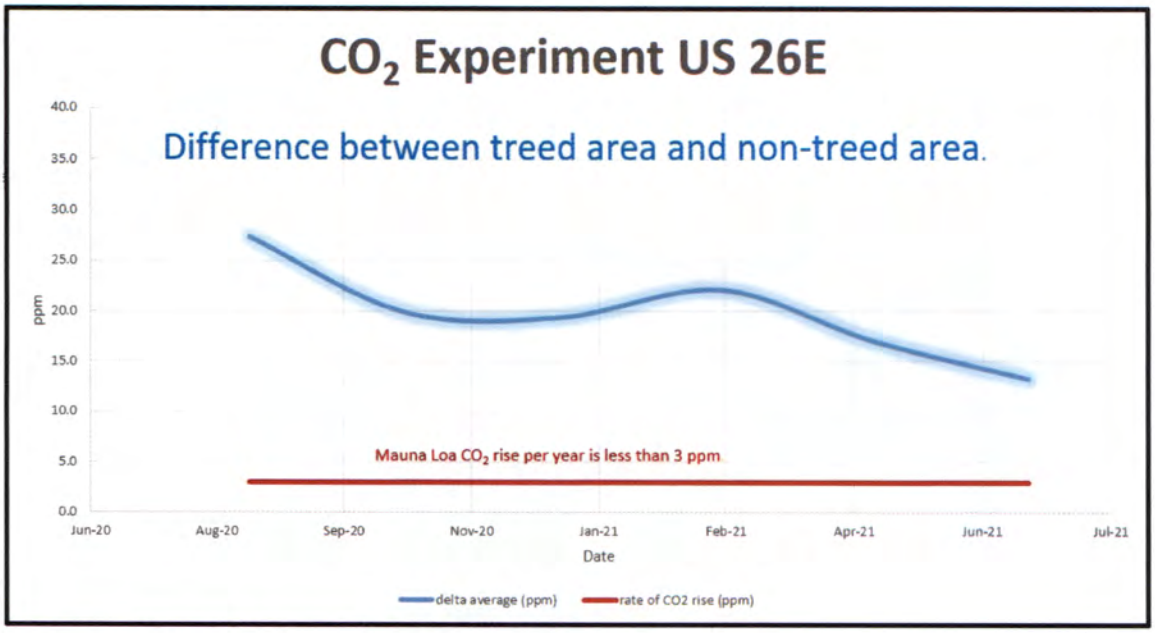
Forest management by "strip logging" which was developed by Oregon State Forestry. This strip 30 to 60 yards wide (depending on the height of the trees) will provide ongoing logging opportunities, making these cuts. The side trees and shrubs will naturally reseed these cuts. These seeds are matched genetically to the local soil and climate. They grow much faster because of this. No reseeding is needed or desired. These cuts make an excellent firebreak.

We have an experiment on US 26 eastbound just west of Portland, Oregon. A permit obtained from Oregon Department of Transportation. These sensors are NIST certified and calibrated within one part per million. Graph 9 shows the rate of rise of atmospheric carbon dioxide less than 3 ppm/yr. The blue line represents the difference between the treed area and a non-treed area. Each location has a wind directional measurement. This measurement can confirm bad data from crosswind for example. This experiment proves we can plant native shrubs and trees by roads and freeways instead of grass. This freeway has 161,000 autos per day on it, and approximately 460 auto exit (Sylvan exit 71) per day between the two sensor locations. The final day of testing was 6/12/2021.

Procedure:

Place sensors at 6am daily for two weeks every other month for one year.
Pick up sensors at 7pm and analyze the data.
Put SD memory card from sensor into computer. Import the data into an Excel spreadsheet.
Repeat for other sensor.
For each 10 seconds subtract the treed area from the non-tree area.
Sort data for "smallest to largest" from subtraction result.
Remove negative numbers in the subtraction result.
The negative numbers are from wind gusts. We tracked this many times.
Calculate average for the day. Repeat.

Things to note in the graph. At no time did the blue line go below the red line. On December 20th, a very dark and rainy day the difference was 9 ppm. In April through June we had very little rain. The graph shows this as lower difference. For photosynthesis, we need these things, light, vegetation, moisture and carbon dioxide. Experiment Summary: This experiment proves we can plant native trees and shrubs instead of grass and they will eventually consume all the carbon dioxide from the vehicles. This is applicable for ±50° from the equator.



Native western Oregon plants

Sweet bay

Photinia

Juniper

Knick

Leaf holly

Red twig Dogwood

Where to plant

Medians Photinia, Sweet bay, Leaf holly, Red twig Dogwood

On/Off ramps Photinia, Sweet bay, Juniper, Knick